

Claims

1. Drive unit for a body of revolution (2), able to turn about its essentially horizontal lengthwise axis (3), having at its circumference a gear rim (6), with which driven pinions (4; 4') of the gear train of the drive unit engage, characterized in that the drive unit is arranged underneath and at the side of the body of revolution (2) so that the driven pinion(s) (4; 4') engage with the gear rim (6) at an angle between 25° and 90° downward from the horizontal.
2. Drive unit according to Claim 1, characterized in that the drive unit has a pair of driven pinions (4, 4'), which engage directly in succession with the gear rim (6) of the body of revolution, being possibly set off from each other in relation to the lengthwise axis (3) of the body of revolution.
3. Drive unit according to Claim 1 or 2, characterized in that the gear train housing (1) of the drive unit has a horizontally extending base plate, as well as an opening plate (5), from which the gear rims of the pinions (4; 4') protrude from the gear train housing (1), which is arranged to extend at an angle of 60° to 0° in relation to the base plate.
4. Drive unit according to one of Claims 1 to 3, characterized in that the drive unit is arranged essentially perpendicularly underneath the body of revolution (2) and has two driven pinions (4, 4'), which are arranged symmetrically in relation to the vertical axis (7) of the body of revolution (2), engaging with the gear rim (6), and preferably at the same time forming the bearing support for the body of revolution (2) in this place.

5. Drive unit according to one of Claims 1 to 4, characterized in that the pinions (4, 4') have a graduated toothing.
6. Drive unit according to one of Claims 1 to 5, characterized in that the drive motor is flanged to the drive gear train across a coupling, preferably with the axis of the drive unit running parallel to the axis of rotation (3) of the body of revolution (2).
7. Drive unit according to one of Claims 1 to 6, characterized in that the body of revolution (2) is a hollow cylinder, preferably configured as the grinding drum of a ball mill.
8. Use of a drive unit according to one of Claims 1 to 7 for ball mills or cement mills.